

2.5 HDD DATA SHEET

Amazing Versatility and Trusted Dependability Meet Incredible Speed



Seagate brings over 20 years of trusted performance and reliability to the Seagate[®] BarraCuda[®] family. BarraCuda Pro 2.5-inch drives, available at 7,200 RPM with up to 1 TB of storage, offer the highest sustained throughput and are backed by a 5-year limited warranty.



Best-Fit Applications

- Laptops
- Mobile storage
- All-in-one PCs
- Ultra-slim desktop PCs

Key Advantages

Thinnest and lightest 2.5-inch, 1 TB hard drive

At **7 mm z-height**, it is a perfect fit for a seamless upgrade to thin and light laptops and similar small form-factor systems.

These **7,200 RPM** hard drives are available in capacities up to 1 TB and offer faster **data rates up to 160 MB/s**, enabling a superior end-user experience and snappier file transfers.

Backed by an industry-leading **5-year limited warranty**, BarraCuda Pro 2.5-inch drives bring the performance and reliability you can depend on.



Specifications	1TB	500GB
Standard Model Numbers	ST1000LM049	ST500LM034
Bytes per Sector (logical/physical)	512/4,096	512/4,096
Performance		
Interface	SATA 6Gb/s	SATA 6Gb/s
Data Transfer Rate (MB/s)	Up to 160	Up to 160
Cache (MB)	128	128
Spindle Speed (RPM)	7,200	7,200
Reliability/Data Integrity		
Load/Unload Cycles	600,000	600,000
Head-Rest Method	QuietStep™ Ramp Load	QuietStep™ Ramp Load
Non-recoverable Read Errors per Bits Read, Max	1 per 10E14	1 per 10E14
Limited Warranty (years) ¹	5	5
Power Management		
Startup Current (+5 V, A)	1.0	1.0
Read/Write Power, Average (W)	1.9/1.7	1.9/1.7
Idle Power, Average (W)	0.7	0.7
Environmental		
Temperature, Operating (°C)	0°C – 60°C	0°C – 60°C
Temperature, Non-operating (°C)	-40°C – 70°C	-40°C – 70°C
Shock, Operating: 2 ms (Gs)	400	400
Shock, Non-operating: 1 ms (Gs)	1,000	1,000
Acoustics, typical - idling (bels)	2.2	2.2
Acoustics, typical - seek (bels)	2.4	2.4
Physical		
Height (mm/in)	7 mm/0.276 in	7 mm/0.276 in
Width (mm/in)	69.85 mm/2.75 in	69.85 mm/2.75 in
Depth (mm/in)	100.35 mm/3.951 in	100.35 mm/3.951 in
Weight (lb/g)	85 g/0.187 lb	85 g/0.187 lb
Carton Unit Quantity	50	50
Cartons per Pallet / Cartons per Layer	60/10	60/10
Special Features		
Multi-Tier Caching Technology™	Yes	Yes
Halogen-free	Yes	Yes
RoHS compliance	Yes	Yes

¹ Extended warranty products available. Consult your distributor for details.

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